

Remarks:

This amendment is submitted in an earnest effort to advance this case to issue without delay.

The specification has been amended to eliminate some minor obvious errors. No new matter whatsoever has been added.

Applicant by his duly authorized attorney herewith restricts the case to the method of claims 1-79. Applicant further elects the following species:

Species I of claim 6;
Species I of claim 46;
Species I of claim 27; and
Species I of claim 22.

Claim 41 has been incorporated in claim 1 and claims 43 and 44 dropped, making election of a base structure moot.

Applicant makes the election with traverse. Rules applying to PCT cases are different from those for standard US cases. More specifically 37 CFR 1.475 clearly states that unity of invention exists in a PCT case for "A product and a process specially adapted for the manufacture of said product." Thus the method and product claims are rightly in this case.


Amended claim 1 and new claims 97 and 98 are generic to all species. Amended claim 1 includes original claim 41. New claim 97 includes the features of original claims 1, 4, 6, and 41. New claim 98 includes the features of original claims 1, 4, 13, 14, and 41.

Amended claim 1 describes the SOI-substrate, that inherently includes three layers: a silicon support layer 1, an SiO₂ layer 2, and a thin unstrained silicon cover layer 3. Such SOI-substrates are used widely for semiconductors. Transistors are made on them.

The goal of this invention is to produce an improved SOI-substrate with a strained silicon layer 9. The locally strained layer 9 must be immediately adjacent an unstrained silicon layer 3. The strained layer 9 can be used for high-load transistors because of the large number of charge carriers in the strained layer. The silicon cover layer 3 is part of the SOI structure at the start of the process. This layer 3 is locally strained and forms the layer 9.

An action on the merits is awaited.

Respectfully submitted,
K.F. Ross P.C.


by: Andrew Wilford, 26,597
Attorney for Applicant

13 February 2008
5683 Riverdale Avenue Box 900
Bronx, NY 10471-0900
Cust. No.: 535
Tel: 718 884-6600
Fax: 718 601-1099
Email: email@kfrpc.com

Enclosure: Corrected version
 Substitute Specification
 PTO-2038